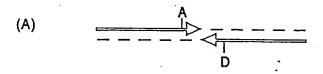
## Diglycinyl linker

Figure 1

meta-EthD

$$NH_2 \qquad NH_2 \qquad$$

Figure 2



A = Energy Acceptor

D = Energy Donor

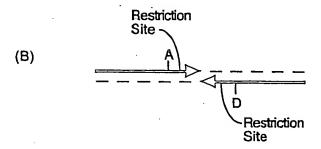
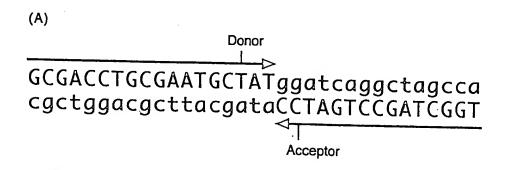


Figure 3

Target Sequence
——GCGACCTGCGAATGCTATGGATCAGGCTAGCCA ———CGCTGGACGCTTACGATACCTAGTCCGATCGGT ———



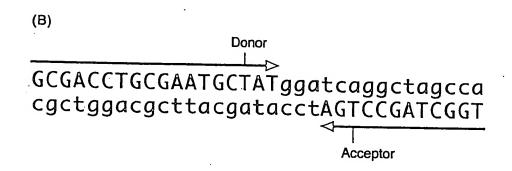


Figure 4

(A) PCR

(B) SDA

(C) GAP-LCR

A = Energy Acceptor

Figure 5

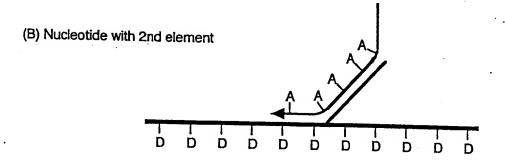
D = Energy Donor

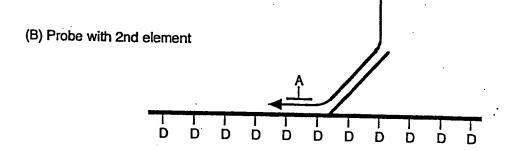


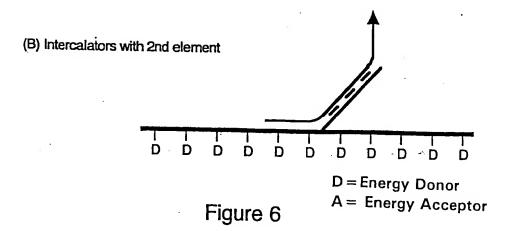
Ď

D

D D







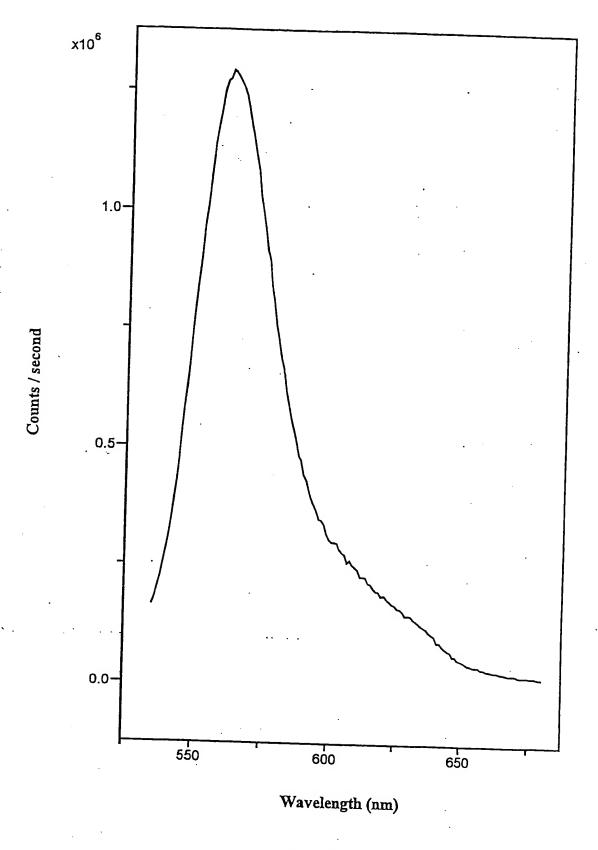


Figure 7

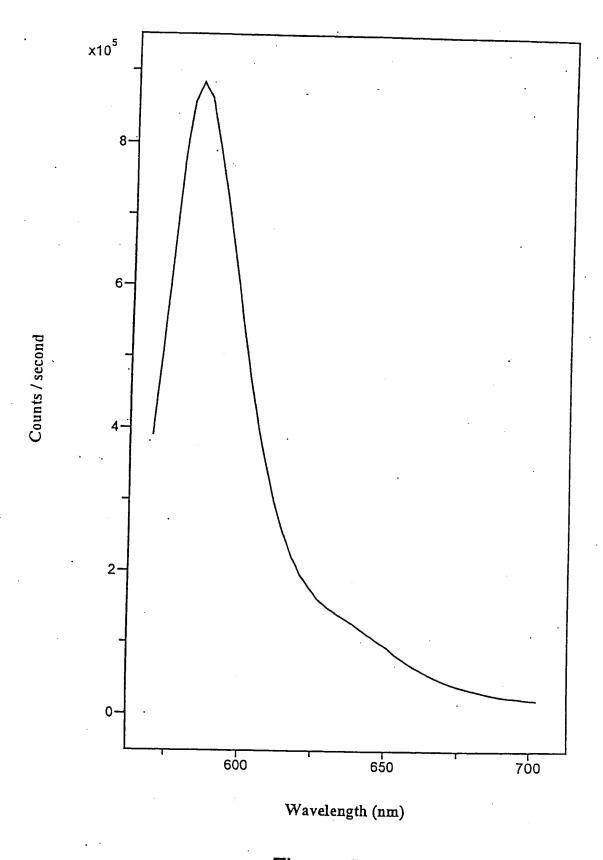
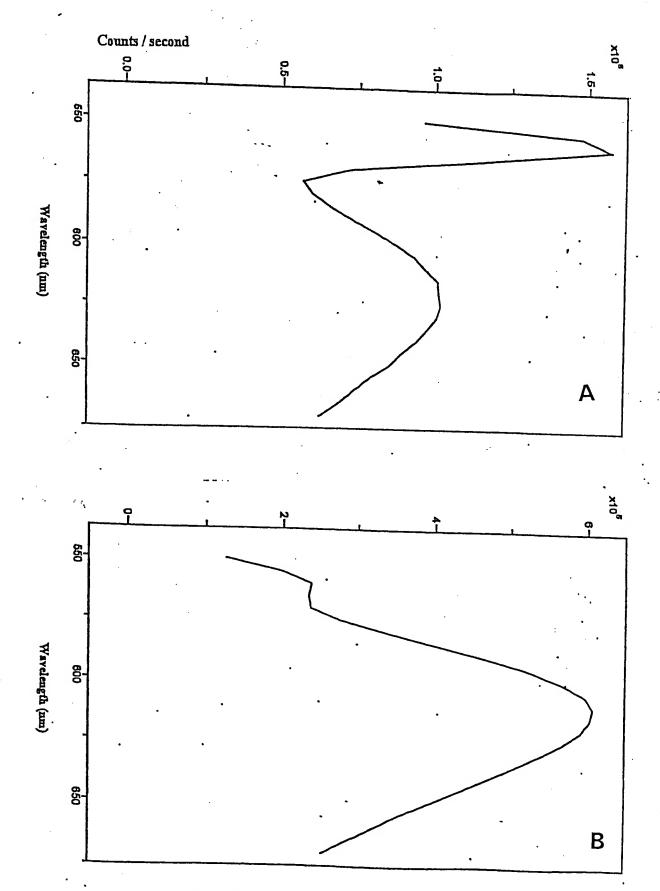


Figure 8

Figure 9



Illumination at 472 nM Figure 10

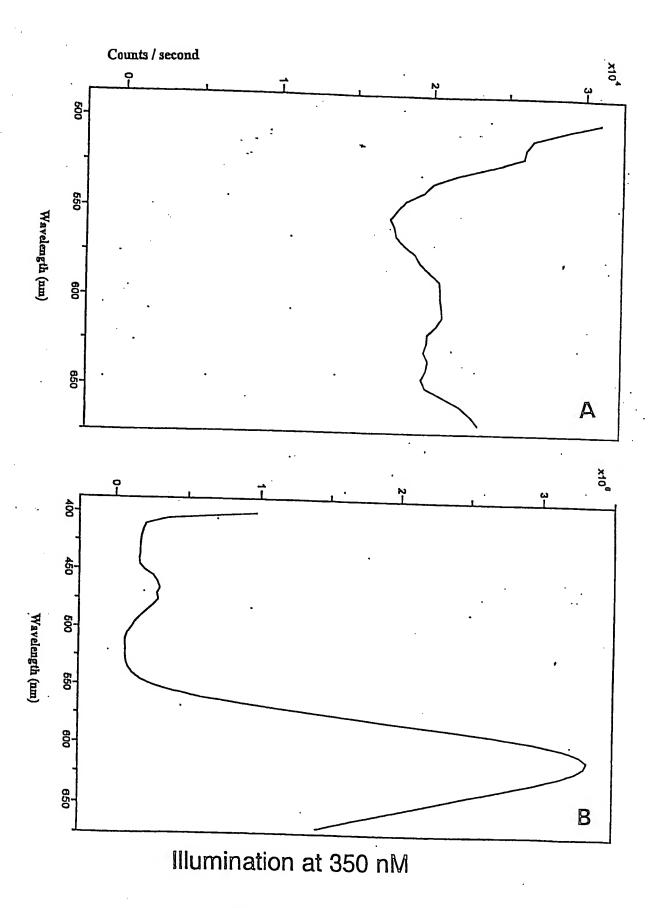


Figure 11

## HIV Anti-sense Amplicon

Forward Primer

atgggaggtg

catgatccgg

Hybridization Probe

taatggtg agtatccctg cctaactct

catgatccgg atgggaggtg ggtctgaaac gataatggtg agtatccctg cctaactcta ttcactatcc ggatgtgc gtactaggcc taccctccac ccagactttg ctattaccac tcatagggac ggattgagat aagtgatagg cctacacg

agat aagtgatagg cctacacg Reverse Primer

Figure 12

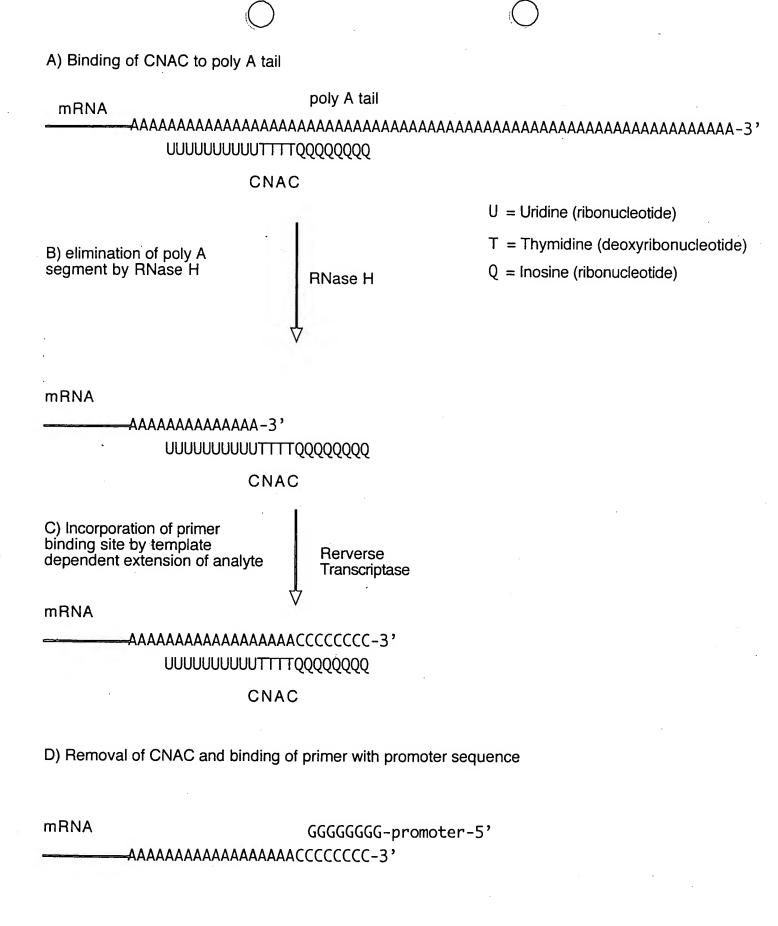


Figure 13

Figure 15